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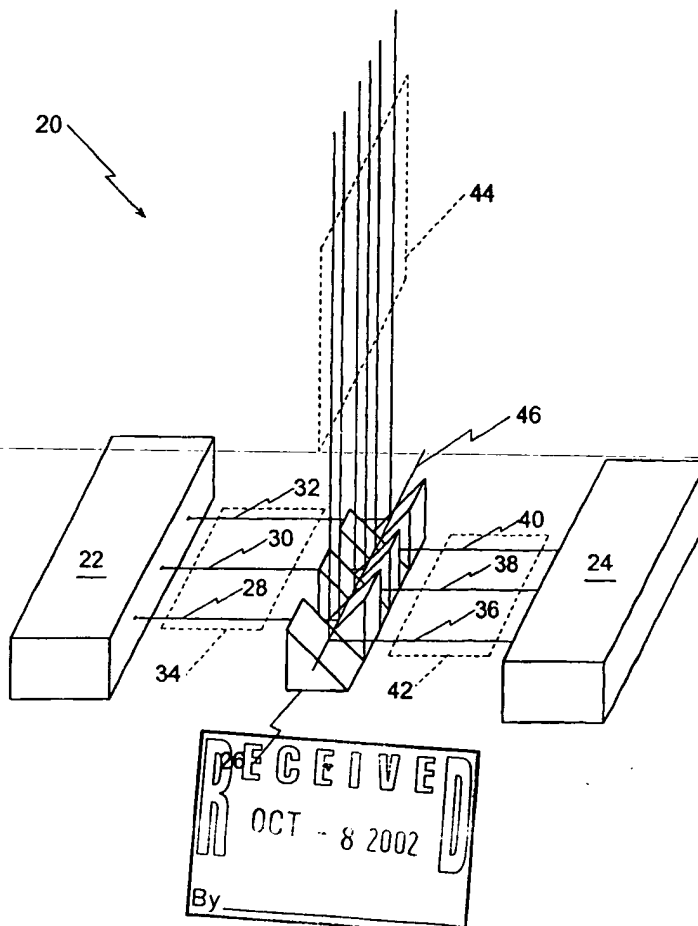
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(54) Title: **METHOD AND APPARATUS FOR COMBINING LIGHT OUTPUT FROM MULTIPLE LASER DIODE BARS**



(57) **Abstract:** A method and apparatus for combining light output from multiple laser diode bars is disclosed. The apparatus includes two laser diode bars (22,24) and a mirror arrangement (26) placed between the laser diode bars. The mirror arrangement reflects the light output from the laser diode bars into a preferred plane (44) and a preferred direction. The mirror arrangement is preferably comprised of metal mirrors. Alternative mirror assemblies disclosed are based on prisms. An alternative mirror disclosed includes a cylindrically concave surface (106) for collimating or focusing an individual laser beam.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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information on patent family members

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PCT/US 00/17851

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
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